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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))</small>	Attorney Doc. No. <b>0102323-00098</b>
	First Inventor or Application Identifier <b>LOATES</b>
	Title <b>IMPROVED COMPUTATIONAL METHODS FOR</b>
	Express Mail Label No. <b>EV 093 931 925 US</b>

**APPLICATION ELEMENTS**  
 See MPEP chapter 600 concerning utility patent application contents.

- ☒ Patent Application Transmittal Form
- ☒ Applicant claims small entity status. See 37 CFR 1.27.
- ☐ Fee Transmittal Form (Unexecuted) (eg., PTO /SB /17)
- ☒ Specification [ Total Pages **121** ]  
 Description (No. of Sheets: 114 )  
 Claims (No. of Sheets: 5 )  
 Abstract (No. of Sheets: 1 )  
 Appendix (No. of Sheets: )  
 Other: Cover Page (No. of Sheets: 1 )
- ☒ Drawing(s) (35 U.S.C. 113) [ Total Sheets **15** ]
- ☐ Oath or Declaration [ Total Pages **1** ]  
 a. ☐ Newly executed (original or copy)  
 b. ☐ Unexecuted  
 c. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 16 completed)  
 d. ☐ **DELETION OF INVENTORS**  
 Signed statement attached deleting  
 inventor(s) named in the prior application,  
 see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

**NOTE: CONTINUING APPLICATIONS ARE NOT ENTITLED TO PAY SMALL ENTITY FEES. A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EIC 8P.T. USE ONE FILE ON A P. PRIOR APPLICATIONS BE USED UPON 37 C.F.R. § 1.27.**

**ADDRESS TO :** Assistant Commissioner for Patents  
 Box P Patent Application  
 Washington, DC 20231

- ☐ Microfiche Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (If applicable, all necessary)  
 a. ☐ Computer Readable Copy  
 b. ☐ Paper Copy (identical to computer copy)  
 c. ☐ Statement verifying identity of above copies
- ACCOMPANYING APPLICATION PARTS**
- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 C.F.R. § 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (If applicable)
- ☐ Information Disclosure Statement (IDS) (PTO-1449) ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) in duplicate (S should be specifically itemized)
- ☐ Request and Certification Under 35 USC 122(b)(2)(B)(i)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_  
 Prior application information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_  
 For CONTINUING or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

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